

Title (en)
Adaptive Viterbi detector

Title (de)
Adaptiver Viterbi-Detektor

Title (fr)
Décteur Viterbi adaptatif

Publication
EP 0580199 B1 19970312 (EN)

Application
EP 93201868 A 19930628

Priority
• EP 93201868 A 19930628
• EP 92202028 A 19920703

Abstract (en)
[origin: EP0580199A1] Viterbi detector for a channel having a memory length 1, where no more than two survivors with an associated difference metric are updated. In the prior-art Viterbi detector of this type the new difference metric is derived by means of a saturation function from the previous difference metric. If the channel parameters differ from the values assumed for the calculation of the difference metric, the performance of the prior-art detector will rapidly degrade. In the detector according to the invention the new difference metric is derived from a combination of the saturation function of the previous difference metric and a correction signal which is a measure for the channel parameter difference. <IMAGE>

IPC 1-7
H03M 13/12; G06F 11/10

IPC 8 full level
H03M 13/41 (2006.01)

CPC (source: EP)
H03M 13/41 (2013.01); **H03M 13/6502** (2013.01); **H03M 13/6505** (2013.01)

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0580199 A1 19940126; **EP 0580199 B1 19970312**

DOCDB simple family (application)
EP 93201868 A 19930628